



Year Four Key Objectives in Numeracy

Number:
Count in multiples of 6, 7, 9, 25 and 1000
Find 1000 more or less than a given number
Count backwards through zero to include negative numbers
Recognise the place value of each digit in a four-digit number
Order and compare numbers beyond 1000
Round any number to the nearest 10, 100 or 1000
Solve number and practical problems that involve all of the above and with increasingly large positive numbers
Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value
Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
Estimate and use inverse operations to check answers to a calculation
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Recall multiplication and division facts for multiplication tables up to 12×12
Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
Recognise and use factor pairs and commutativity in mental calculations
Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
Solve problems involving multiplying and adding
Recognise and show, using diagrams, families of common equivalent fractions
Count up and down in hundredths
Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities
Add and subtract fractions with the same denominator
Recognise and write decimal equivalents of any number of tenths or hundredths
Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$
Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
Round decimals with one decimal place to the nearest whole number
Compare numbers with the same number of decimal places up to two decimal places
Shape, Space and Measure:
Solve simple measure and money problems involving fractions and decimals to two decimal places
Convert between different units of measure; estimate, compare and calculate different measures, including money in pounds and pence
Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m
Find the area of rectilinear shapes by counting squares

Estimate, compare and calculate different measures, including money in pounds and pence
Read, write and convert time between analogue and digital 12 and 24 hour clocks
Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
Compare and classify geometric shapes, including quadrilaterals and triangles, based on properties and sizes
Identify acute and obtuse angles and compare and order angles up to two right angles by size
Identify lines of symmetry in 2-D shapes presented in different orientations
Complete a simple symmetric figure with respect to a specific line of symmetry
Describe positions on a 2-D grid as coordinates in the first quadrant
Describe movements between positions as translations of a given unit to the left/right and up/down
Plot specified points and draw sides to complete a given polygon
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs
Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs